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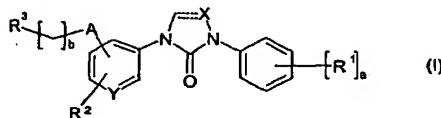
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(54) Title: CYCLIC UREA DERIVATIVES WITH 5-HT<sub>2C</sub> RECEPTOR ACTIVITY



(57) Abstract: Compounds of formula (I) or a pharmaceutically acceptable salt thereof, having 5HT<sub>2C</sub> receptor activity, are disclosed: wherein a is 0, 1, 2, 3, 4 or 5; b is 1, 2 or 3; Y is nitrogen or carbon; A is oxygen, nitrogen, -NHCO- or together with R<sup>2</sup> form a benzoxazolone group; R<sup>1</sup> is halogen, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy, C<sub>1-6</sub>alkylthio, hydroxy, amino, mono- or di-C<sub>1-6</sub>alkylamino, nitro, CN, CF<sub>3</sub>, OCF<sub>3</sub>, aryl, arylC<sub>1-6</sub>alkyl, arylC<sub>1-6</sub>alkyloxy or arylC<sub>1-6</sub>alkylthio; R<sup>2</sup> is hydrogen, halogen, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy, haloC<sub>1-6</sub>alkyl or haloC<sub>1-6</sub>alkoxy; R<sup>3</sup> is: (i) -NR<sup>4</sup>R<sup>5</sup> where R<sup>4</sup> and R<sup>5</sup> are independently hydrogen, C<sub>1-6</sub>alkyl or arylC<sub>1-6</sub>alkyl; or (ii) an optionally substituted N-linked heterocycle; or (iii) an optionally substituted C-linked heterocycle; ===== is a single bond or a double bond; and X is CH<sub>2</sub> or C=O (when ===== is a single bond) or X is CH (when ===== is a double bond). The preparation of these compounds and their use in therapy, especially for a CNS disorder such as depression or anxiety, are also disclosed.

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/4453 A61K31/5355 A61K31/4166 A61K31/423 A61K31/44  
C07D233/70 C07D233/78 C07D413/04 C07D401/04 C07D491/08

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## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal, WPI Data, BEILSTEIN Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 96 23783 A (DAVIES DAVID THOMAS ;GASTER LARAMIE MARY (GB); WYMAN PAUL ADRIAN ( ) 8 August 1996 (1996-08-08) cited in the application page 1, line 8 - line 10; claim 1 -----	1-23
A	WO 97 48700 A (BROMIDGE STEVEN MARK ;SMITHKLINE BEECHAM PLC (GB)) 24 December 1997 (1997-12-24) cited in the application page 1, line 8 - line 11 -----	1-23

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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